



Licence

Environmental Protection Act 1986, Part V

Licensee: Shire of Beverley

Licence: L8536/2011/1

Registered office: 136 Vincent Street,
BEVERLEY WA 6304

Premises address: Shire of Beverley Landfill
Lot 21286 on Plan 91000 (Crown Reserve 15945) and Lot 28394 on Plan 175418
(Crown Reserve 30609)
BEVERLEY WA 6304
As depicted in Schedule 1.

Issue date: Friday, 8 July 2011

Commencement date: Friday, 8 July 2011

Expiry date: Monday, 7 July 2031

Prescribed premises category
Schedule 1 of the *Environmental Protection Regulations 1987*

Category number	Category description	Category production or design capacity	Approved premises production or design capacity
61	Liquid waste facility: premises on which liquid waste produced on other premises (other than sewerage waste) is stored, reprocessed, treated or irrigated.	100 tonnes or more per year	500 tonnes per annual period
64	Class II putrescible landfill site: premises on which waste (as determined by reference to the waste types set out in the document entitled "Landfill Waste Classification and Waste Definitions 1996" published by the CEO and as amended from time to time) is accepted for burial.	20 tonnes or more per year	700 tonnes per annual period

Conditions

The Licence is subject to the conditions set out in the attached pages.

Date signed: 17 December 2015
.....

Steve Checker
MANAGER LICENSING (WASTE INDUSTRIES)
Officer delegated under section 20
of the *Environmental Protection Act 1986*



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Introduction

This Introduction is not part of the Licence conditions.

DER's industry licensing role

The Department of Environment Regulation (DER) is a government department for the state of Western Australia in the portfolio of the Minister for Environment. The DER's purpose is to advise on and implement strategies for a healthy environment for the benefit of all current and future Western Australians.

DER has responsibilities under Part V of the *Environmental Protection Act 1986* (the Act) for the licensing of prescribed premises. Through this process the DER regulates to prevent, control and abate pollution and environmental harm to conserve and protect the environment. The DER also monitors and audits compliance with works approvals and licence conditions, takes enforcement action as appropriate and develops and implements licensing and industry regulation policy.

Licence requirements

This Licence is issued under Part V of the Act. Conditions contained within the Licence relate to the prevention, reduction or control of emissions and discharges to the environment and to the monitoring and reporting of them.

Where other statutory instruments impose obligations on the Premises/Licensee the intention is not to replicate them in the licence conditions. You should therefore ensure that you are aware of all your statutory obligations under the Act and any other statutory instrument. Legislation can be accessed through the State Law Publisher website using the following link: <http://www.slp.wa.gov.au/legislation/statutes.nsf/default.html>

For your Premises relevant statutory instruments include but are not limited to obligations under the:

- *Environmental Protection (Unauthorised Discharges) Regulations 2004* – these Regulations make it an offence to discharge certain materials such as contaminated stormwater into the environment other than in the circumstances set out in the Regulations.
- *Environmental Protection (Controlled Waste) Regulations 2004* - these Regulations place obligations on you if you produce, accept, transport or dispose of controlled waste.
- *Environmental Protection (Noise) Regulations 1997* – these Regulations require noise emissions from the Premises to comply with the assigned noise levels set out in the Regulations.

You must comply with your licence. Non-compliance with your licence is an offence and strict penalties exist for those who do not comply.

Licence holders are also reminded of the requirements of section 53 of the Act which places restrictions on making certain changes to prescribed premises unless the changes are in accordance with a works approval, licence, closure notice or environmental protection notice.



Licence fees

If you have a licence that is issued for more than one year, you are required to pay an annual licence fee prior to the anniversary date of issue of your licence. Non-payment of annual licence fees will result in your licence ceasing to have effect meaning that it will no longer be valid and you will need to apply for a new licence for your Premises.

Ministerial conditions

If your Premises has been assessed under Part IV of the Act you may have had conditions imposed by the Minister for Environment. You are required to comply with any conditions imposed by the Minister.

Premises description and Licence summary

The Shire of Beverley has a population of 1700 and waste generated in the Shire is managed by the local government operated Shire of Beverley Landfill. The landfill is located approximately 2.5 kilometres (km) south from the Beverley town site and is located approximately 1 km south of the nearest residence. The premises boundary is situated approximately 300 metres (m) north-north east from the Avon River and approximately 600 m from the nearest landfilling activities. The site is underlain by shallow rock (ranging from 0.91-3.66 m below ground level) which was identified when groundwater bores were attempted to be installed at the site. No groundwater was found beneath the site.

The Beverley landfill operates on Saturday, Sunday and Monday between 8:00am and 4:00pm and when it is open, there is a full time Shire employee on the site. Waste is received at the landfill and placed as directed by the operator. Not all wastes received at the site are buried, and wastes suitable for recycling or disposal at other facilities are collected at premises in special segregated areas. There are separate areas for construction and demolition waste, cardboard and newsprint, steel, waste oil and Drum Muster Chemical drums.

The site receives:

- Type 1 inert waste;
- Putrescible waste;
- Contaminated solid waste meeting acceptance criteria for Class II Landfills;
- Type 2 inert wastes.
- Green waste;
- Septage waste; and
- Grease trap waste.

240 Litre mobile garbage bins (MGBs) are provided to all Beverley properties with collection on Friday of each week, and are picked up by Avon Waste in a compactor truck with side lift. MGB waste is to be covered on arrival at the landfill site. Asbestos is only received and disposed of in an allocated burial site if it is double wrapped, labelled and taped. Recyclables are not collected from Beverley properties, but residents can deposit these in bins as appropriate on vacant land to the north of the railway track through town.

The landfill incorporates a “trench and fill” method where a hole is dug and backfilled with waste using the excavated material as cover. The Shire has committed to cover the open trench weekly.

This Licence is the result of an amendment requested by the Licensee to reduce the separation distance in Table 1.2.2 from 35 m to 20 m for the Special Waste Type 1 (asbestos) disposal pit. This licence has also been amended to require all liquid wastes to be deposited into a lined trench at the Premises. The previous licence required the occupier to install a high-density polyethylene liner (HDPE) liner into the controlled waste trench as it was previously permitted to infiltrate into the ground. The liner that has been installed is a hybrid liner which has the flexibility of low-density polyethylene (LDPE) however it maintains the properties of the HDPE liner such as chemical and UV resistance. This product is called Enviroliner 6030 HD and was installed with a cushioning Bidim A-34 geotextile layer beneath it. Given the composition and properties of the installed liner, Enviroliner 6030 HD is sufficient at containing the controlled waste within the trench. This liner satisfies the requirements of the improvement conditions of the previous licence so the previous improvement conditions have been removed from the licence.

Additional amendments have been made as required to align this licence with the new licence format. Changes have been detailed in the Decision Document.

The licences and works approvals issued for the Premises are:



Instrument log		
Instrument	Issued	Description
L8536/2011/1	08/07/2011	New application
L8536/2011/1	20/06/2014	Amendment to allow burning of greenwaste and to convert into updated format
L8536/2011/1	17/12/2015	Amendment to licence

Severance

It is the intent of these Licence conditions that they shall operate so that, if a condition or a part of a condition is beyond the power of this Licence to impose, or is otherwise *ultra vires* or invalid, that condition or part of a condition shall be severed and the remainder of these conditions shall nevertheless be valid to the extent that they are within the power of this Licence to impose and are not otherwise *ultra vires* or invalid.

END OF INTRODUCTION



Licence conditions

1 General

1.1 Interpretation

1.1.1 In the Licence, definitions from the *Environmental Protection Act 1986* apply unless the contrary intention appears.

1.1.2 For the purposes of this Licence, unless the contrary intention appears:

'Act' means the *Environmental Protection Act 1986*;

'Acceptance Criteria' has the meaning defined in Landfill Definitions;

'annual period' means the inclusive period from 1 April until 31 March in the following year;

'asbestos' means the asbestiform variety of mineral silicates belonging to the serpentine or amphibole groups of rock-forming minerals and includes actinolite, amosite, anthophyllite, chrysotile, crocidolite, tremolite and any mixture containing 2 or more of those;

'asbestos fibres' has the meaning defined in the Guidelines for Assessment, Remediation and Management of Asbestos Contaminated Sites, Western Australia, (DOH, 2009);

'averaging period' means the time over which a limit or target is measured or a monitoring result is obtained;

'CEO' means Chief Executive Officer of the Department of Environment Regulation;

'CEO' for the purpose of correspondence means;

Chief Executive Officer
Department Administering the Environmental Protection Act 1986
Locked Bag 33
CLOISTERS SQUARE WA 6850
Email: info@der.wa.gov.au

'Clean Fill' has the meaning defined in Landfill Definitions;

'controlled waste' has the definition in *Environmental Protection (Controlled Waste) Regulations 2004*;

'freeboard' means the distance between the maximum water surface elevations and the top of retaining banks or structures at their lowest point;

'Hazardous waste' has the meaning defined in the Landfill Definitions;

'Inert Waste Type 1' has the meaning defined in Landfill Definitions;

'Inert Waste Type 2' has the meaning defined in Landfill Definitions;

'Landfill Definitions' means the document titled "Landfill Waste Classification and Waste Definitions 1996" published by the Chief Executive Officer of the Department of Environment as amended from time to time;

'Licence' means this Licence numbered L8536/2011/1 and issued under the Act;

'Licensee' means the person or organisation named as Licensee on page 1 of the Licence;

'Premises' means the area defined in the Premises Map in Schedule 1 and listed as the Premises address on page 1 of the Licence;



‘Putrescible’ has the meaning defined in the Landfill Definitions;

‘rehabilitation’ means the completion of the engineering of a landfill cell and includes capping and/or final cover;

‘Schedule 1’ means Schedule 1 of this Licence unless otherwise stated;

‘Schedule 2’ means Schedule 2 of this Licence unless otherwise stated;

‘Special Waste Type 1’ has the meaning defined in Landfill Definitions;

‘usual working day’ means 0800 – 1700 hours, Monday to Friday excluding public holidays in Western Australia; and

‘Waste Code’ means the Waste Code assigned to a type of controlled waste for purposes of waste tracking and reporting as specified in the Department of Environment Regulation “Controlled Waste Category List” (July 2014), as amended from time to time.

1.1.3 Any reference to an Australian or other standard in the Licence means the relevant parts of the standard in force from time to time during the term of this Licence.

1.1.4 Any reference to a guideline or code of practice in the Licence means the current version of the guideline or code of practice in force from time to time, and shall include any amendments or replacements to that guideline or code of practice made during the term of this Licence.

1.2 Premises operation

1.2.1 The Licensee shall only accept waste on to the Premises if:

- (a) it is of a type listed in Table 1.2.1; and
- (b) the quantity accepted is below any quantity limit listed in Table 1.2.1; and
- (c) it meets any specification listed in Table 1.2.1

Table 1.2.1: Waste acceptance

Waste	Waste Code	Quantity Limit	Specification ¹	
Septage wastes (Sewage) – domestic wastes from apparatus for the treatment of sewage	K210	Combined total of no more than 500 tonnes per annual period	Discharged into lined liquid waste trenches	
Waste from grease traps	K110			
Inert Waste Type 1	N/A	Combined total of no more than 700 tonnes per annual period	None specified	
Clean Fill			Cement bonded asbestos. No fibrous asbestos shall be accepted	
Putrescible Waste				
Special Waste Type 1			None specified	
Contaminated solid waste meeting acceptance criteria for Class II Landfills			Tyres and plastic only –permitted to only accept car tyres	
Inert Waste Type 2				Limited to waste oil, paint, vehicle batteries and DrumMuster products
Hazardous waste				None specified
Greenwaste				

Note 1: Additional requirements for the acceptance of controlled waste (including asbestos and tyres) are set out in the *Environmental Protection (Controlled Waste) Regulations 2004*.



1.2.2 The Licensee shall ensure that where waste does not meet the waste acceptance criteria set out in conditions 1.2.1 it is removed from the Premises by the delivery vehicle or, where that is not possible, the Licensee shall contact the CEO to agree a course of action in relation to the waste.

1.2.3 The Licensee shall ensure that wastes accepted onto the Premises are only subjected to the process(es) set out in Table 1.2.2 and in accordance with any process limits described in that Table.

Table 1.2.2: Waste processing		
Waste type	Process(es)	Process limits ^{1,2}
Inert Waste Type 1	Receipt, handling and disposal of waste by landfilling	<p><u>All waste types</u> The separation distance between the base of the landfill and the highest groundwater level shall not be less than 2 m.</p> <p><u>All waste types excluding Special Waste Type 1</u> No waste shall be temporarily stored or landfilled within 35 m from the boundary of the premises.</p>
Clean Fill		
Putrescible Waste		
Special Waste Type 1		
Contaminated solid waste meeting acceptance criteria for Class II Landfills		
Hazardous waste	Receipt, handling and storage prior to being taken offsite to a recycling facility,	<p><u>Hazardous Wastes</u></p> <ul style="list-style-type: none"> • Stored in a designated receptacle or on a hardstand in a bunded area. • Paint can be evaporated and then buried.
Inert Waste Type 2	Receipt, handling and storage prior to being taken offsite to a tyre recycling facility	<p><u>Inert Waste Type 2 (Tyres)</u></p> <ul style="list-style-type: none"> • No more than 500 car tyres to be stored at any one time; • External tyre stockpiles must be stored: <ul style="list-style-type: none"> ○ in rows with 6 m of clear ground between each row and any combustible material; ○ located not less than 6 m from the premises boundary; ○ in rows no more than three metres in height where the greatest area of used tyre storage is not to exceed 100 m².
Greenwaste	Receipt, handling, mulching and disposal of waste by landfilling or burning	
Septage Waste	Receipt, handling and storage into lined liquid waste trenches	
Grease Trap Waste		<p><u>Special Waste Type 1</u></p> <ul style="list-style-type: none"> • Only to be disposed of into a designated asbestos disposal area within the landfill; • No waste shall be temporarily stored or landfilled within 20 m from the boundary of the premises; • Not to be deposited within 2 m of the final tipping surface of the landfill; and • No works shall be carried out on the landfill that could lead to a release of asbestos fibres. <p><u>Greenwaste</u></p> <ul style="list-style-type: none"> • Stored in stockpiles no more than 4 m high and no greater than 1000 m³ in volume; • All mulched greenwaste shall be stored in windrows; • Temperatures within mulched greenwaste stockpiles shall be monitored on a weekly basis and recorded in a management system; • Windrows with an internal temperature of 80 degrees Celsius or higher shall be turned, mixed, or otherwise treated to reduce the temperature; • Shall only be burnt in accordance with Regulation 13 of the <i>Environmental Protection (Rural Landfill) Regulations 2002</i>.

Note 1: Requirements for landfilling tyres are set out in Part 6 of the *Environmental Protection Regulations 1987*.

Note 2: Additional requirements for the acceptance and landfilling of controlled waste (including asbestos and tyres) are set out in the *Environmental Protection (Controlled Waste) Regulations 2004*.



- 1.2.4 The Licensee shall manage the landfilling activities to ensure:
- (a) waste is levelled and compacted as soon as practicable after it is discharged; and
 - (b) waste is placed and compacted to ensure all faces are stable and capable of retaining rehabilitation material; and
 - (c) rehabilitation of a cell or phase takes place within 6 months after disposal in that cell or phase has been completed.

- 1.2.5 The Licensee shall ensure that cover is applied and maintained on landfilled wastes in accordance with Table 1.2.3 and that sufficient stockpiles of cover are maintained on site at all times.

Table 1.2.3: Cover requirements ¹	
Waste Type	Cover requirements
Inert Waste Type 1	No cover required
Clean Fill	
Putrescible Waste	To be covered in accordance with regulation 6 of the <i>Environmental Protection (Rural Landfill) Regulations 2002</i>
Contaminated solid waste meeting acceptance criteria for Class II Landfills	
Inert Waste Type 2 (Plastics)	
Greenwaste	
Special Waste Type 1 (Asbestos)	To be covered with 300 mm of Inert Waste Type 1 or Clean Fill as soon as practicable and not later than the end of the working day after deposit and prior to compaction

Note 1: Additional requirements for final cover of tyres are set out in Part 6 of the *Environmental Protection Regulations 1987*.

- 1.2.6 The Licensee shall manage all lined liquid waste trench(es) such that:
- (a) overtopping of the trench(es) does not occur;
 - (b) a freeboard equal to, or greater than, 300 mm is maintained;
 - (c) the integrity of the containment infrastructure is maintained;
 - (d) trapped overflows are maintained on the outlet of ponds to prevent carry-over of surface floating matter; and
 - (e) vegetation and floating debris (emergent or otherwise) is prevented from encroaching onto pond surfaces or inner pond embankments

- 1.2.7 The Licensee shall implement the following security measures at the site:
- (a) erect and maintain suitable fencing to prevent unauthorised access to the site; and
 - (b) ensure that any entrance gates to the premises are securely locked when the premises are unattended; and
 - (c) undertake regular inspections of all security measures and repair damage as soon as practicable.

- 1.2.8 The Licensee shall ensure that wind-blown waste is contained within the boundary of the Premises and that wind-blown waste is returned to the tipping area on at least a weekly basis.

2 Monitoring

2.1 Monitoring of inputs and outputs

- 2.1.1 The Licensee shall undertake the monitoring in Table 2.1.1 according to the specifications in that table.



Table 2.1.1: Monitoring of inputs and outputs				
Input/Output	Parameter	Units	Averaging period	Frequency
Waste Inputs	Inert Waste Type 1, Inert Waste Type 2, Special Waste Type 1, Clean Fill, Putrescible Waste, Greenwaste, Contaminated Solid Waste (meeting acceptance criteria for Class II Landfills)	Cubic metres (m ³)	N/A	Each load arriving at the Premises
Waste Outputs	Waste type as defined in the Landfill Definitions			Each load leaving or rejected from the Premises

3 Information

3.1 Records

3.1.1 All information and records required by the Licence shall:

- (a) be legible;
- (b) if amended, be amended in such a way that the original and subsequent amendments remain legible or are capable of retrieval;
- (c) except for records listed in 3.1.1(d) be retained for at least 6 years from the date the records were made or until the expiry of the Licence or any subsequent licence; and
- (d) for those following records, be retained until the expiry of the Licence and any subsequent licence:
 - (i) off-site environmental effects; or
 - (ii) matters which affect the condition of the land or waters.

3.1.2 The Licensee shall complete an Annual Audit Compliance Report indicating the extent to which the Licensee has complied with the conditions of the Licence, and any previous licence issued under Part V of the Act for the Premises for the previous annual period.

3.1.3 The Licensee shall implement a complaints management system that as a minimum records the number and details of complaints received concerning the environmental impact of the activities undertaken at the Premises and any action taken in response to the complaint.

3.2 Reporting

3.2.1 The Licensee shall submit to the CEO an Annual Environmental Report within 31 calendar days after the end of the annual period. The report shall contain the information listed in Table 3.2.1 in the format or form specified in that table.

Table 3.2.1: Annual Environmental Report		
Condition or table (if relevant)	Parameter	Format or form ¹
-	Summary of any failure or malfunction of any pollution control equipment and any environmental incidents that have occurred during the annual period and any action taken	None specified
Table 2.1.1	Monitoring of inputs and outputs	None specified
3.1.2	Compliance	Annual Audit Compliance Report (AACR)
3.1.3	Complaints summary	None specified

Note 1: Forms are in Schedule 2



3.3 Notification

3.3.1 The Licensee shall ensure that the parameters listed in Table 3.3.1 are notified to the CEO in accordance with the notification requirements of the table.

Table 3.3.1: Notification requirements			
Condition or table (if relevant)	Parameter	Notification requirement¹	Format or form²
-	Breach of any limit specified in the Licence	Part A: As soon as practicable but no later than 5pm of the next usual working day. Part B: As soon as practicable	N1

Note 1: Notification requirements in the Licence shall not negate the requirement to comply with s72 of the Act

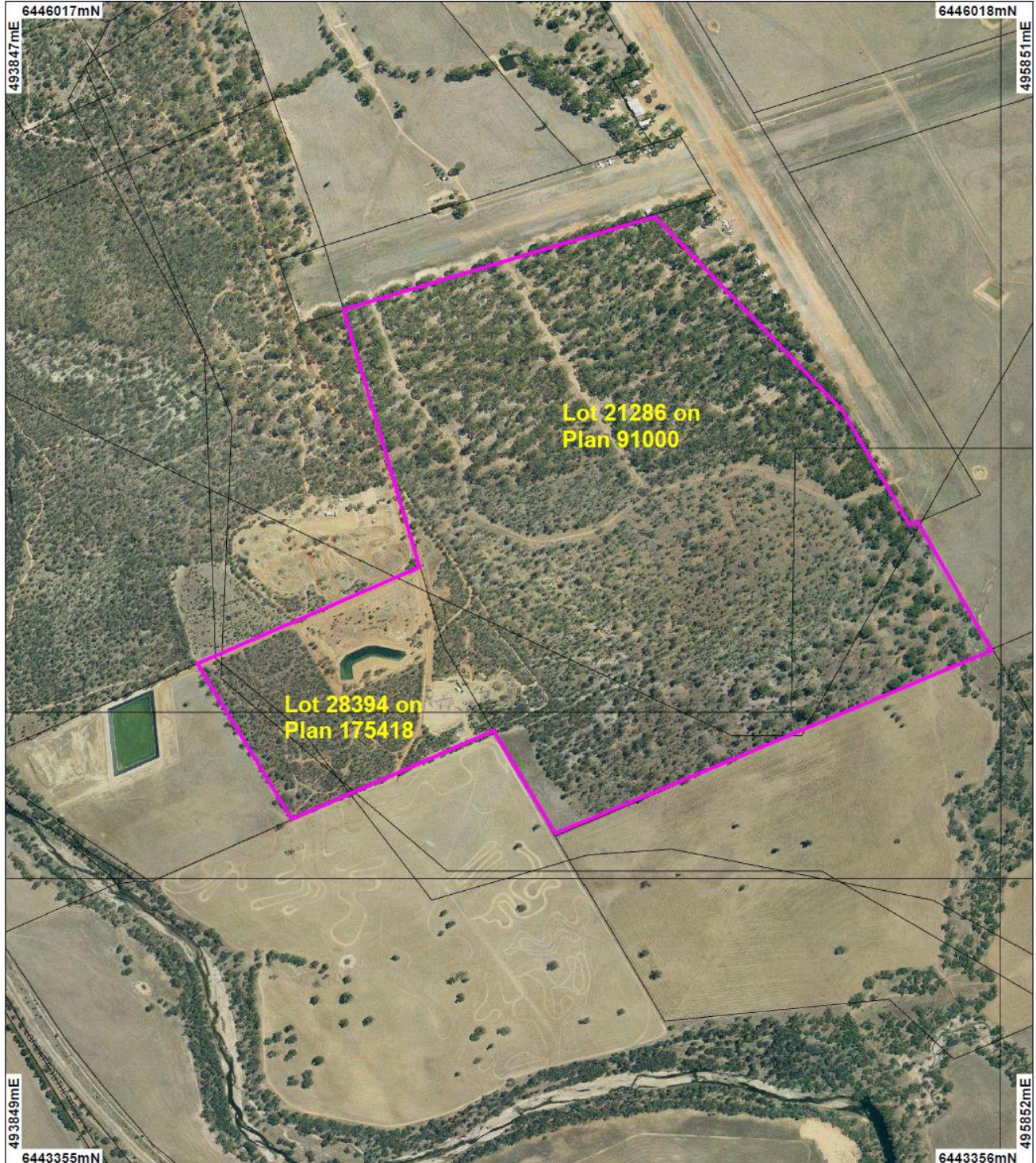
Note 2: Forms are in Schedule 2



Schedule 1: Maps

Premises map

The Premises is shown in the map below. The pink line depicts the Premises boundary.





Schedule 2: Reporting & notification forms

These forms are provided for the proponent to report monitoring and other data required by the Licence. They can be requested in an electronic format.

ANNUAL AUDIT COMPLIANCE REPORT PROFORMA

SECTION A LICENCE DETAILS

Licence Number:	Licence File Number:
Company Name: Trading as:	ABN:
Reporting period: _____ to _____	

STATEMENT OF COMPLIANCE WITH LICENCE CONDITIONS

1. Were all conditions of the Licence complied with within the reporting period? (please tick the appropriate box)

Yes Please proceed to Section C

No Please proceed to Section B

Each page must be initialled by the person(s) who signs Section C of this Annual Audit Compliance Report (AACR).

Initial:



SECTION B

DETAILS OF NON-COMPLIANCE WITH LICENCE CONDITION.

Please use a separate page for each licence condition that was not complied with.

a) Licence condition not complied with:	
b) Date(s) when the non-compliance occurred, if applicable:	
c) Was this non-compliance reported to DER?	
<input type="checkbox"/> Yes	<input type="checkbox"/> Reported to DER verbally Date _____ <input type="checkbox"/> Reported to DER in writing Date _____
<input type="checkbox"/> No	
d) Has DER taken, or finalised any action in relation to the non-compliance?	
e) Summary of particulars of the non-compliance, and what was the environmental impact:	
f) If relevant, the precise location where the non-compliance occurred (attach map or diagram):	
g) Cause of non-compliance:	
h) Action taken, or that will be taken to mitigate any adverse effects of the non-compliance:	
i) Action taken or that will be taken to prevent recurrence of the non-compliance:	

Each page must be initialled by the person(s) who signs Section C of this AACR

Initial:



SECTION C

SIGNATURE AND CERTIFICATION

This Annual Audit Compliance Report (AACR) may only be signed by a person(s) with legal authority to sign it. The ways in which the AACR must be signed and certified, and the people who may sign the statement, are set out below.

Please tick the box next to the category that describes how this AACR is being signed. If you are uncertain about who is entitled to sign or which category to tick, please contact the licensing officer for your premises.

If the licence holder is		The Annual Audit Compliance Report must be signed and certified:
An individual	<input type="checkbox"/> <input type="checkbox"/>	by the individual licence holder, or by a person approved in writing by the Chief Executive Officer of the Department of Environment Regulation to sign on the licensee's behalf.
A firm or other unincorporated company	<input type="checkbox"/> <input type="checkbox"/>	by the principal executive officer of the licensee; or by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment Regulation.
A corporation	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	by affixing the common seal of the licensee in accordance with the <i>Corporations Act 2001</i> ; or by two directors of the licensee; or by a director and a company secretary of the licensee, or if the licensee is a proprietary company that has a sole director who is also the sole company secretary – by that director, or by the principal executive officer of the licensee; or by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment Regulation.
A public authority (other than a local government)	<input type="checkbox"/> <input type="checkbox"/>	by the principal executive officer of the licensee; or by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment Regulation.
a local government	<input type="checkbox"/> <input type="checkbox"/>	by the chief executive officer of the licensee; or by affixing the seal of the local government.

It is an offence under section 112 of the *Environmental Protection Act 1986* for a person to give information on this form that to their knowledge is false or misleading in a material particular. There is a maximum penalty of \$50,000 for an individual or body corporate.

I/We declare that the information in this annual audit compliance report is correct and not false or misleading in a material particular.

SIGNATURE: _____

SIGNATURE: _____

NAME:
(printed) _____

NAME:
(printed) _____

POSITION: _____

POSITION: _____

DATE: ____/____/____

DATE: ____/____/____

SEAL (if signing under seal)



Licence: L8536/2011/1
 Form: N1

Licensee: Shire of Beverley
 Date of breach:

Notification of detection of the breach of a limit.

These pages outline the information that the operator must provide.
 Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

Part A

Licence Number	
Name of operator	
Location of Premises	
Time and date of the detection	

Notification requirements for the breach of a limit	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	



Part B

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident.	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission.	
The dates of any previous N1 notifications for the Premises in the preceding 24 months.	

Name	
Post	
Signature on behalf of Shire of Beverley	
Date	



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1 Purpose of this Document

This decision document explains how DER has assessed and determined the application and provides a record of DER's decision-making process and how relevant factors have been taken into account. Stakeholders should note that this document is limited to DER's assessment and decision making under Part V of the *Environmental Protection Act 1986*. Other approvals may be required for the proposal, and it is the proponent's responsibility to ensure they have all relevant approvals for their Premises.



2 Administrative summary

Administrative details		
Application type	Works Approval <input type="checkbox"/>	
	New Licence <input type="checkbox"/>	
	Licence amendment <input checked="" type="checkbox"/>	
	Works Approval amendment <input type="checkbox"/>	
Activities that cause the premises to become prescribed premises	Category number(s)	Assessed design capacity
	61	500 tonnes per annual period
	64	700 tonnes per annual period
Application verified	Date: N/A	
Application fee paid	Date: N/A	
Works Approval has been complied with	Yes <input type="checkbox"/>	No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
Compliance Certificate received	Yes <input type="checkbox"/>	No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
Commercial-in-confidence claim	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Commercial-in-confidence claim outcome		
Is the proposal a Major Resource Project?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Was the proposal referred to the Environmental Protection Authority (EPA) under Part IV of the <i>Environmental Protection Act 1986</i> ?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Referral decision No: Managed under Part V <input type="checkbox"/> Assessed under Part IV <input type="checkbox"/>
Is the proposal subject to Ministerial Conditions?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Ministerial statement No: EPA Report No:
Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the <i>Environmental Protection Act 1986</i>)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Department of Water consulted Yes <input type="checkbox"/> No <input type="checkbox"/>	
Is the Premises within an Environmental Protection Policy (EPP) Area	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	



3 Executive summary of proposal and assessment

The Shire of Beverley has a population of 1700 and waste generated in the Shire is managed by the local government operated Shire of Beverley Landfill. The landfill is located approximately 2.5 kilometres (km) south from the Beverley town site and is located approximately 1 km south of the nearest residence. The premises boundary is situated approximately 300 metres (m) north-north east from the Avon River and approximately 600 m from the nearest landfilling activities. The site is underlain by shallow rock (ranging from 0.91-3.66 m below ground level) which was identified when groundwater bores were attempted to be installed at the site. No groundwater was found beneath the site.

The Beverley landfill operates on Saturday, Sunday and Monday between 8:00am and 4:00pm and when it is open, there is a full time Shire employee on the site. Waste is received at the landfill and placed as directed by the operator. Not all wastes received at the site are buried, and wastes suitable for recycling or disposal at other facilities are collected at premises in special segregated areas. There are separate areas for construction and demolition waste, cardboard and newsprint, steel, waste oil and Drum Muster Chemical drums.

The site receives:

- Type 1 inert waste;
- Putrescible waste;
- Contaminated solid waste meeting acceptance criteria for Class II Landfills;
- Type 2 inert wastes.
- Green waste;
- Hazardous wastes (oils, paints and batteries);
- Septage waste; and
- Grease trap waste.

240 Litre (L) mobile garbage bins (MGB) are provided to all Beverley properties with collection on Friday of each week, and are picked up by Avon Waste in a compactor truck with side lift. MGB waste is to be covered on arrival at the landfill site. Asbestos is only received and disposed of in an allocated burial site if it is double wrapped, labelled and taped. Recyclables are not collected from Beverley properties, but residents can deposit these in bins as appropriate on vacant land to the north of the railway track through town.

The landfill incorporates a “trench and fill” method where a hole is dug and backfilled with waste using the excavated material as cover. The Shire has committed to cover the open trench weekly.

This Licence is the result of an amendment requested by the Licensee to reduce the separation distance in Table 1.2.2 from 35 m to 20 m for the Special waste Type 1 (asbestos) disposal pit. This licence has also been amended to require all liquid wastes to be deposited into a lined trench at the Premises. The previous licence required the occupier to install a high-density polyethylene liner (HDPE) liner into the controlled waste trench as it was previously permitted to infiltrate into the ground. The liner that has been installed is a hybrid liner which has the flexibility of low-density polyethylene (LDPE) however it maintains the properties of the HDPE liner such as chemical and UV resistance. This product is called Enviroliner 6030 HD and was installed with a cushioning Bidim A-34 geotextile layer beneath it. Given the composition and properties of the installed liner, Enviroliner 6030 HD is sufficient at containing the controlled waste within the trench. This liner satisfies the requirements of the improvement conditions of the previous licence so the previous improvement conditions have been removed from the licence. Conditions in relation to hazardous wastes have also been included.

As part of the amendment, the licence duration has been extended to a 20 year period in accordance with DER's Guidance Statement, *Licence Duration* (Revised May 2015).

Additional amendments have been made as required to align this licence with the new licence format. Changes have been detailed in the Decision Table below.



4 Decision table

All applications are assessed in line with the *Environmental Protection Act 1986*, the *Environmental Protection Regulations 1987* and DER's Operational Procedure on Assessing Emissions and Discharges from Prescribed Premises. Where other references have been used in making the decision they are detailed in the decision document.

DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
Interpretation	N/A	The definitions for 'freeboard' and 'waste code' have been included into the Interpretation section of the Licence as these words are used within the licence conditions and require defining. The definition of 'CEO' for the purpose of correspondence has been amended to reflect DER's updated contact details.	N/A
General Conditions	N/A	<p>Condition 1.2.1 of the previous licence, which specified that the Licence did not authorise pollution and unreasonable emissions, has been removed as the condition is not valid or enforceable and is addressed under the general provisions of the <i>Environmental Protection Act 1986</i>.</p> <p>Condition 1.2.2, related to pollution control and monitoring equipment, has been removed from this licence as it is unclear as to which monitoring or pollution control equipment it relates to and as the site has no specific pollution control or monitoring equipment, this condition is not applicable to the site.</p> <p>The previous licence included conditions 1.2.3 and 1.2.4 which related to specified storage and clean-up requirements for environmentally hazardous materials. These conditions have been removed from the licence as they are unclear and not enforceable. It is the Licensee's responsibility that environmentally hazardous materials are stored appropriately in a manner which prevents discharge to the environment. Any discharges to the environment may be subject to the <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i>.</p>	<i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i>



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
General Conditions continued		Condition 1.2.5 of the previous licence, related to prevention of stormwater becoming contaminated, has been removed from the licence as the condition is unclear and does not specify what stormwater infrastructure is required.	
Premises Operation	L1.2.1, L1.2.3 and L1.2.5	<p>As there are no longer any condition in the 'General Conditions' section, this section has been re-numbered to 1.2.</p> <p>There have been amendments to the <i>Environmental Protection (Controlled Waste) Regulations 2004</i> which include new waste codes for controlled wastes. Table 1.2.1 of condition 1.2.1 has been amended to reflect these changes. The occupier has completed the improvements from the previous licence which required the liquid waste trench to be lined. Table 1.2.1 has been amended to include the words 'lined liquid waste trenches' under the 'Specification' column to reflect that this trench is now lined.</p> <p>Table 1.2.2 of condition 1.2.3 has been amended with the following:</p> <ul style="list-style-type: none"> • under the 'Process' column for the liquid wastes (grease trap and septage), the words 'lined liquid waste trenches' has been included; • the 'Process limits' column now specifies the separation distance of all waste types, excluding Special Waste Type 1, and under the limits for Special Waste Type 1, this now specifies a separation distance of 20 m. These reflect the Licensee's amendment request and is risk assessed below. The change in separation distance does not change the premises operations and reflects the current location of the asbestos cell. <p>Operation <u>Emission Description</u> <i>Emission:</i> Asbestos fibres released into environment <i>Impact:</i> Contamination of surrounding land and reduced local air quality. Health impacts to humans including asbestosis. <i>Controls:</i> The proponent has dug a cell 20 metres from the Premises boundary</p>	<p><i>Environmental Protection (Controlled Waste) Regulations 2004</i></p> <p><i>Environmental Protection (Rural Landfill) Regulations 2002</i></p>



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
Premises Operation continued		<p>for the placement and containment of asbestos and asbestos containing material.</p> <p>This asbestos cell is separate from the general landfilling activities and is clearly identifiable. Asbestos waste is covered and left undisturbed to reduce the risk of asbestos fines being released.</p> <p><u>Risk Assessment</u> <i>Consequence: Moderate</i> <i>Likelihood: Unlikely</i> <i>Risk Rating: Moderate</i></p> <p><u>Regulatory Controls</u> Table 1.2.2 of Condition 1.2.3 has been amended to reduce the separation distance to the premises boundary for Special Waste Type 1 from 35 m to 20 m. The previous distance was placed onto the licence to reflect the distance specified in Regulation 9 of the <i>Environmental Protection (Rural Landfill) Regulations 2002</i>. All other wastes are still required to be 35 m from the Premises boundary.</p> <p>Table 1.2.3 of Condition 1.2.5 has been amended to require specific cover requirements for Special Waste Type 1 to assist in further reduction of the risk that asbestos fibres are released.</p> <p>Given that the cell is clearly identifiable and is not disturbed, there are no further regulatory conditions proposed to address the reduction in separation distance.</p> <p><u>Residual Risk</u> <i>Consequence: Moderate</i></p>	



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
Premises Operation continued		<p><i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Moderate</p>	
Fugitive emissions (dust)	N/A	<p><u>Emission Description</u> <i>Emission:</i> Dust emissions from stockpiling and general handling of waste, waste loading/unloading, filling of waste and placing of cover material, and vehicle movements. <i>Impact:</i> Reduced local air quality. Nuisance impacts to sensitive receptors (residents) located 1 km from the Premises. Respiratory impacts to human health. <i>Controls:</i> A water truck is utilised as required.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Minor <i>Likelihood:</i> Possible <i>Risk Rating:</i> Moderate</p> <p><u>Regulatory Controls</u> Dust emissions are unlikely to impact on human receptors given the 1 km separation distance. The licence previously included conditions 2.6.1 and 2.6.2 requiring measures to be implemented to reduce dust emissions and prevent visible dust emissions from crossing the premises boundary.</p> <p>It is assessed that dust emissions can be sufficiently regulated under section 49 of the <i>Environmental Protection Act 1986</i> therefore these conditions have been removed from the licence.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Minor</p>	<i>Environmental Protection Act 1986</i>
Fugitive emissions			



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
(dust) continued		<p><i>Likelihood:</i> Possible <i>Risk Rating:</i> Moderate</p>	
Odour emissions	N/A	<p><u>Emission Description</u> <i>Emission:</i> Odour emissions from the degradation of putrescible wastes and storage of septage and grease trap wastes. <i>Impact:</i> Nuisance impacts to sensitive receptors (residents) located 1km from the Premises. <i>Controls:</i> Cover material is applied at least weekly to assist in preventing odours.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Possible <i>Risk Rating:</i> Low</p> <p><u>Regulatory Controls</u> Odour emissions are unlikely to impact on human receptors given the 1 km separation distance. The licence previously included condition 2.7.1 which required that odour from the Premises was not to unreasonably impact on any person outside of the Premises.</p> <p>It is assessed that the risk of odour is low and odour emissions can be sufficiently regulated under section 49 of the <i>Environmental Protection Act 1986</i> therefore these conditions have been removed from the licence. As there are no emission conditions in the amended licence, the 'emissions' section has been removed.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Insignificant</p>	<i>Environmental Protection Act 1986</i>
Odour emissions			



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
continued		<i>Likelihood: Possible Risk Rating: Low</i>	
Improvements	N/A	<p>The previous licence required the occupier to conduct improvements at the premises under conditions 4.1.1 and 4.1.2. IR1 and IR2 required the occupier to report on all tanks at the premises that stored environmentally hazardous materials and to provide a list of actions to ensure they comply with the code of practice for storage and handling of dangerous goods. The occupier receives waste oil at the premises. The waste oil receival area was upgraded and bunded to comply with the code of practice and meets the requirements of these improvements therefore these requirements have been removed and included in the process limits Table 1.2.2.</p> <p>IR3 – IR5 required the occupier to line the trenches for the storage of controlled wastes with a HDPE liner to ensure that they cover the whole trench without holes, tears or failure of welds. The occupier then needed to engage the services of a suitably qualified professional to ensure that the liner met the improvement requirements. The occupier installed a hybrid Enviroliner 6030 HD in the trench which maintains the chemical and UV resistance of an HDPE liner. Given the properties of this liner the installation and testing undertaken, this liner is sufficient at preventing liquid waste discharge to the environment. As these conditions have been complied with, this section has been removed from the licence.</p>	N/A
Information	L3.1.1 – 3.1.3, L3.2.1 and L3.3.1	As the 'Emissions' and 'Improvement' sections of the licence have been removed, the 'Information' section has been re-numbered as number 3.	<i>Environmental Protection Act 1986</i>
Information continued		Condition 5.1.2 of the previous licence has been removed. This condition required any person who was left in charge of the Premises, to be aware of the licence conditions. This condition is not clear or enforceable as knowledge of licence conditions does not prevent breaches from occurring, and it is not a	



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
		<p>defence to offences under the <i>Environmental Protection Act 1986</i> if the Licensee or its agents claim they are unaware of the conditions.</p> <p>Table 3.2.1 of condition 3.2.1 has been amended to reflect the new numbering of the tables and/or conditions referred to in the table.</p> <p>Table 3.3.1 of condition 3.3.1 has been updated to remove the requirement to report on any incidents that have caused, or are likely to have caused pollution or an unreasonable emission. This requirement is already specified under section 72 of the <i>Environmental Protection Act 1986</i>. This table now only requires notification if any limit of the licence (i.e. waste acceptance limits) is breached.</p> <p>There have been no further changes to this section.</p>	
Licence duration	N/A	<p>This licence was subject to a complete environmental review in June 2011 and the Premises has been risk assessed as having a low to moderate risk to the environment and public health. As this premises is occupied by the Local Government Authority, there is currently no limit on planning approval for the current activities. In accordance with the DER's Guidance Statement, <i>Licence duration</i> (Revised May 2015), the expiry date of this licence has been extended to a period of 20 years, as requested by the Licensee.</p>	<p>DER's Guidance Statement, <i>Licence duration</i> (Revised May 2015)</p>



5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
3/12/2015	Proponent sent a copy of draft instrument	The Licensee requested that the expiry date of the licence be extended to a period of 20 years. The Licensee signed the waiver form for the 21 day comment period.	The licence duration has been extended to 20 years.



6. Risk Assessment

Note: This matrix is taken from the DER Corporate Policy Statement No. 07 - Operational Risk Management

Table 1: Emissions Risk Matrix

Likelihood	Consequence				
	Insignificant	Minor	Moderate	Major	Severe
Almost Certain	Moderate	High	High	Extreme	Extreme
Likely	Moderate	Moderate	High	High	Extreme
Possible	Low	Moderate	Moderate	High	Extreme
Unlikely	Low	Moderate	Moderate	Moderate	High
Rare	Low	Low	Moderate	Moderate	High